

NORTHERN MOJAVE, UPPER AMARGOSA RIVER BASIN

10251217 AMARGOSA RIVER AT BEATTY, NV

LOCATION.--Lat 36°54'38", long 116°45'23" referenced to North American Datum of 1927, in SW 1/4 NW 1/4 sec. 07, T.12 S., R.47 E., Nye County, Hydrologic Unit 18090202, on upstream right side of culvert under U. S. Highway 95, approximately 0.5 mi north of intersection of state highway 374 and state highway 95.

DRAINAGE AREA.--458 mi².

PERIOD OF RECORD.--August 1993 to April 1995, January 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage 3,270 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. See schematic diagram of Northern Mojave, Upper Amargosa River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,000 ft³/s, March 11, 1995, gage height, 6.93 ft; minimum daily, 0.13 ft³/s, August 13, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 240 ft³/s, August 15, gage height, 5.96 ft; minimum daily discharge, 0.18 ft³/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.41	0.50	0.52	0.80	0.86	0.89	0.72	0.56	0.36	0.28	0.19	0.23
2	0.42	0.50	0.52	0.80	0.91	0.91	0.76	0.53	0.35	0.27	0.18	0.23
3	0.43	0.47	0.50	0.83	1.1	0.89	0.82	0.52	0.33	0.26	0.19	0.21
4	0.43	0.46	0.50	0.83	0.99	0.89	0.79	0.50	0.33	0.31	0.18	0.24
5	0.43	0.46	0.50	0.83	0.98	0.89	0.72	0.50	0.33	0.25	0.18	0.25
6	0.43	0.46	0.50	0.83	1.0	0.89	0.71	0.49	0.32	0.24	0.18	0.25
7	0.42	0.46	0.50	0.83	1.0	0.88	0.77	0.49	0.32	0.22	0.18	0.24
8	0.42	0.48	0.53	0.83	1.0	0.84	0.77	0.47	0.31	0.23	0.18	0.24
9	0.42	0.50	0.54	0.83	1.0	0.84	0.76	0.46	0.34	0.21	0.18	0.26
10	0.43	0.49	0.54	0.83	1.0	0.83	0.72	0.47	0.34	0.22	0.18	0.28
11	0.44	0.48	0.54	0.83	1.0	0.83	0.69	0.49	0.32	0.22	0.18	0.29
12	0.44	0.54	0.54	0.79	1.0	0.83	0.69	0.50	0.33	0.32	0.19	0.28
13	0.43	0.56	0.54	0.77	1.0	0.83	0.69	0.50	0.33	0.20	0.22	0.26
14	0.45	0.50	0.58	0.77	1.0	0.83	0.70	0.50	0.32	0.20	0.26	0.25
15	0.45	0.51	0.62	0.77	1.0	0.80	0.71	0.47	0.33	0.21	39	0.25
16	0.44	0.61	0.67	0.77	1.0	0.81	0.68	0.47	0.34	0.24	0.44	0.25
17	0.44	0.52	0.67	0.77	1.0	0.78	0.68	0.47	0.33	0.23	0.29	0.24
18	0.44	0.50	0.67	0.77	1.0	0.78	0.68	0.46	0.32	0.21	0.29	0.24
19	0.45	0.50	0.67	0.78	1.0	0.77	0.67	0.44	0.30	0.20	0.29	0.25
20	0.45	0.50	0.62	0.77	1.0	0.77	0.67	0.44	0.30	0.18	0.27	0.27
21	0.45	0.52	0.62	0.80	1.0	0.75	0.65	0.44	0.30	0.18	0.26	0.27
22	0.44	0.54	0.62	0.83	1.0	0.73	0.64	0.43	0.30	0.18	0.26	0.27
23	0.44	0.54	0.65	0.83	1.1	0.72	0.64	0.43	0.30	0.18	0.27	0.26
24	0.44	0.54	0.67	0.83	1.0	0.72	0.63	0.42	0.31	0.19	0.29	0.26
25	0.44	0.54	0.73	0.83	1.0	0.72	0.60	0.42	0.30	0.20	0.26	0.25
26	0.45	0.52	0.76	0.83	1.6	0.72	0.58	0.40	0.29	0.20	0.26	0.24
27	0.45	0.50	0.67	0.83	8.6	0.77	0.58	0.39	0.28	0.20	0.22	0.24
28	0.45	0.51	0.69	0.83	2.9	0.77	0.60	0.40	0.28	0.19	0.24	0.24
29	0.46	0.52	0.75	0.83	1.4	0.76	0.58	0.39	0.28	0.19	0.24	0.26
30	0.48	0.51	0.77	0.83	---	0.76	0.57	0.38	0.28	0.18	0.24	0.27
31	0.49	---	0.77	0.86	---	0.72	---	0.37	---	0.18	0.24	---
TOTAL	13.66	15.24	18.97	25.16	39.44	24.92	20.47	14.20	9.47	6.77	46.03	7.57
MEAN	0.44	0.51	0.61	0.81	1.36	0.80	0.68	0.46	0.32	0.22	1.48	0.25
MAX	0.49	0.61	0.77	0.86	8.6	0.91	0.82	0.56	0.36	0.32	39	0.29
MIN	0.41	0.46	0.50	0.77	0.86	0.72	0.57	0.37	0.28	0.18	0.18	0.21
AC-FT	27	30	38	50	78	49	41	28	19	13	91	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	0.48	0.57	0.74	1.01	1.31	1.92	0.86	0.65	0.44	0.48	0.47	0.39
(WY)	(1999)	(1999)	(1995)	(1995)	(1998)	(1995)	(1998)	(1998)	(1998)	(1999)	(2004)	(1999)
MAX	0.83	0.72	1.05	2.34	4.10	9.78	1.08	0.93	0.74	1.34	1.48	0.62
(WY)	(1997)	(2003)	(2003)	(1997)	(1995)	(1999)	(2004)	(1996)	(1996)	(1996)	(1996)	(1996)
MIN	0.32	0.41	0.55	0.67	0.47	0.73	0.68	0.46	0.27	0.20	0.17	0.23

NORTHERN MOJAVE, UPPER AMARGOSA RIVER BASIN
 10251217 AMARGOSA RIVER AT BEATTY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1993 - 2004
ANNUAL TOTAL	247.66	241.90	
ANNUAL MEAN	0.68	0.66	0.72
HIGHEST ANNUAL MEAN			0.98
LOWEST ANNUAL MEAN			0.49
HIGHEST DAILY MEAN	16	Mar 16	231 Mar 11, 1995
LOWEST DAILY MEAN	0.34	Jul 15	0.13 Aug 13, 1997
ANNUAL SEVEN-DAY MINIMUM	0.35	Jul 11	0.14 Aug 23, 1997
MAXIMUM PEAK FLOW			1,000 Mar 11, 1995
MAXIMUM PEAK STAGE			6.93 Mar 11, 1995
ANNUAL RUNOFF (AC-FT)	491	480	521
10 PERCENT EXCEEDS	0.95	0.87	0.99
50 PERCENT EXCEEDS	0.54	0.50	0.61
90 PERCENT EXCEEDS	0.42	0.23	0.31